### **ENVIRONMENTAL CHEMISTS**

Date of Report: 11/06/02 Date Received: 10/24/02

Project: Metro Self Monitor, PO#M68927

Date Extracted: 11/04/02 Date Analyzed: 11/04/02

# RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Results Reported as mg/L (ppm)

Sample ID Laboratory ID	Chromium	Copper	<u>Nickel</u>	<u>Zinc</u>
M68927	0.04	0.30	0.29	0.05
1000927 210216-01	0.34	0.30	0.29	0.05
Method Blank	< 0.05	< 0.05	< 0.05	< 0.05

#### **ENVIRONMENTAL CHEMISTS**

Date of Report: 11/06/02 Date Received: 10/24/02

Project: Metro Self Monitor, PO#M68927

## QUALITY ASSURANCE RESULTS FROM TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 210143-01 (Duplicate)

	Reporti	ng Sami	ole Dupl	Relat icate Perce		nce
Analyte	Units	•				
Chromium	mg/L (pp	om) 0.5	1 0.8	53 4	0-20	
Copper	mg/L (pp	om) 0.60	0.6	31 <b>2</b>	0-20	
Nickel	mg/L (pr	m) 0.50	5 0.8	56 2	0-20	
Zinc	mg/L (pr	om) 0.06	3 0.1	l1 a	0-20	

Laboratory Code: 210143-01 (Matrix Spike)

		Reporting	Spike	Sample	% Recov	ery Acceptance
h	Analyte	Units	Level	Result	MS	Criteria
	Chromium	mg/L (ppm)	2	0.51	89	80-120
	Copper	mg/L (ppm)	2	0.60	90	80-120
	Nickel	mg/L (ppm)	4	0.55	89	80-120
	Zinc	mg/L (ppm)	2	0.06	91	80-120

Laboratory Code: Laboratory Control Sample

	Reporting	Spike	% Recovery	y % Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Chromium	mg/L (ppm)	2	95	96	80-120	1
Copper	mg/L (ppm)	2	92	94	80-120	2
Nickel	mg/L (ppm)	4	94	96	80-120	2
Zinc	mg/L (ppm)	2	94	94	80-120	0

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

#### **ENVIRONMENTAL CHEMISTS**

James E. Bruya, Ph.D. Charlene Morrow, M.S. Yelena Aravkina, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

November 6, 2002

#### **DUPLICATE COPY**

#### **INVOICE #02ACU1106-2**

Accounts Payable Alaskan Copper Works 628 South Hanford Seattle, WA 98134

RE: Project Metro Self Monitor, PO#M68927 - Results of testing requested by Gerry Thompson for material submitted on October 24, 2002.

FEDERAL TAX ID #(b) (6)

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	Company Alaskan ( Address 628 S.	April	pon e work	<b>ड</b>	SAMPLE PROJEC	TO Solo	ture) NO.				PO#	7	□ Standa □ RUSH Rush cha	RNAR( rd (2 V	uthorized by	y:
	City, State, ZIP Stash	Eu _Fax	A 981 #_ Z06-7	13Y 1826709	REMARI		mple	•					☐ Dispos	e after sampl		
	Sample ID	Lab	Date	Time	Sample Type	# of	.Dřesel Jasoline	by 8021B	8270		REQUI	ESTE	D		Notes	

						ANALYSES REQUESTED											
Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	, # of containers	TPH-Dřesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	Coloni, 2m	·			Notes	
M68927	01	10/refr	1:30	HZO	1					·		0					
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Friedman & Bruya, Inc. 3012 16th Avenue West

Seattle, WA 98119-2029 Ph. (206) 285-8282 Fax (206) 283-5044 FORMS\COC\COC.DOC

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Raling ished by	G. Marpon	ACW	1/hylor	1:38
Received by:	Laura Hoosel	FB1.	1	6
Relinquished by:				
Received by:				

#### **ENVIRONMENTAL CHEMISTS**

James E. Bruya, Ph.D. Charlene Morrow, M.S. Yelena Aravkina, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

November 6, 2002

Gerry Thompson, Project Manager Alaskan Copper Works 628 South Hanford Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on October 24, 2002 from your Metro Self Monitor, PO#M68927 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl Project Manager

Enclosures ACU1106R.DOC